

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
16 June 2005 (16.06.2005)

PCT

(10) International Publication Number
WO 2005/054371 A2

(51) International Patent Classification⁷: **C08L 83/04**

(21) International Application Number:
PCT/JP2004/018093

(22) International Filing Date:
29 November 2004 (29.11.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2003-402810 2 December 2003 (02.12.2003) JP

(71) Applicants (for all designated States except US): **DOW CORNING TORAY SILICONE CO., LTD.** [JP/JP]; 1-3, Marunouchi 1-chome, Chiyoda-ku, Tokyo 1000005 (JP). **DOW CORNING ASIA LTD.** [JP/JP]; 1-3, Marunouchi 1-chome, Chiyoda-ku, Tokyo 1000005 (JP).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **YOSHITAKE, Makoto** [JP/JP]; c/o DOW CORNING TORAY SILICONE CO., LTD., 2-2, Chigusakaigan, Ichihara-shi, Chiba 2990108 (JP). **NAKANISHI, Koji** [JP/JP]; c/o DOW CORNING TORAY SILICONE CO., LTD., 2-2, Chigusakaigan, Ichihara-shi, Chiba 2990108 (JP). **NAKASHIMA, Hisataka** [JP/JP]; c/o DOW CORNING TORAY SILICONE CO., LTD., 2-2, Chigusakaigan, Ichihara-shi, Chiba 2990108 (JP). **KOBAYASHI, Hideki** [JP/JP]; c/o DOW CORNING TORAY SILICONE CO., LTD., 2-2, Chigusakaigan, Ichihara-shi, Chiba 2990108 (JP). **MURAKAMI, Masashi** [JP/JP]; 3-30-1203,

Chibaminato, Chuo-ku, Chiba-shi, Chiba, 2600026 (JP). **TAKEUCHI, Kasumi** [JP/JP]; 681-205, Anesaki, Ichihara-shi, Chiba 2990111 (JP).

(74) Agent: **KUBOTA, Yoshitaka**; c/o ASA International Patent Firm Chiba Office, 43-27, Satsukigaoka 1-chome, Hanamigawa-ku, Chiba-shi, Chiba 2620014 (JP).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2005/054371 A2

(54) Title: ADDITION-CURABLE ORGANOPOLYSILOXANE RESIN COMPOSITION AND AN OPTICAL MATERIAL

(57) Abstract: An addition-curable organopolysiloxane resin composition having, in a state of cured body, a hardness of 60 to 100 at 25 degree C and 40 to 100 at 150 degree C as measured in accordance with the provisions of ASTM D2240-86, said composition comprising: (A) 100 parts by weight of an organopolysiloxane resin comprised of at least alkenyl groups and phenyl groups; (B) 10 to 50 parts by weight of an organooligosiloxane comprised of at least alkenyl groups and phenyl groups; (C) 20 to 100 parts by weight of an organohydrogenoligosiloxane or organohydrogenpolysiloxane; and (D) an addition-reaction catalyst in a catalytic quantity; an optical material that is comprised of a cured body produced from aforementioned components (A), (B), and (C) and possesses the aforementioned characteristics.